

SIYANG LUO

2014

PHD Candidate
Culture & Social Cognitive Neuroscience Lab
Department of Psychology
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EDUCATION

PhD in Cognitive Neuroscience	Peking University, Beijing	2012-present
M.S. in Psychology	Peking University, Beijing	2010-2012
B.A. in Psychology	Peking University, Beijing	2006-2010

RESEARCH INTERESTS

- **Culture & Gene**
 - Cultural and within-cultural differences in social orientation (independence vs. interdependence) and cognitive habits (analytic vs. holistic cognition)
 - The neural and genetic mechanisms of cultural and within-cultural differences in social orientation, cognitive habits, empathy, and emotion regulation
 - The effect of Culture × Gene interactions on cognitive habits, economic behavior, emotions, self, well-being, and mood disorders
- **Empathy**
 - The neural and genetic mechanisms of understanding others' suffering
 - The effect of Culture × Gene interactions on understanding others' suffering
- **Decision Making**
 - The effect of Culture × Gene interactions on economic decision making
- **Mortality Salience**
 - The neural and genetic mechanisms of death anxiety and mortality salience priming effect on empathy, personal distress and self-reflection.

PUBLICATIONS

Luo, S., Han, S. (2014). The association between an oxytocin receptor gene polymorphism and cultural orientations. *Culture and Brain*. In press.

Luo, S., Shi, Z., Yang, X., Wang, X., & Han, S. (2014). Reminders of mortality decrease midcingulate activity in response to others' suffering. *Social Cognitive and Affective Neuroscience*. 9 (4): 477-486.

Krämer, K., Bente, G., **Luo, S.**, Pfeiffer, U. J., Han, S., Vogeley, K. (2013). Influence of Ethnic Group-Membership and Gaze Direction on the Perception of Emotions. A Cross-Cultural Study between Germany and China. *PLOS ONE*. 8(6), e66335.

MANUSCRIPTS SUBMITTED FOR PUBLICATION

Luo, S., Ma, Y., Li, B., Han, S. *Oxytocin receptor gene moderates the relationship between self-esteem and coping strategies in healthy subjects.*

Luo, S., Li, B., Ma, Y., Zhang, W., Rao, Y., Han, S. *Empathy or schadenfreude? Oxytocin receptor gene (OXTR) interact with group membership modulates empathic neural responses.*

Luo, S., Yu, D., Han, S. *Neurogenetic mechanisms of Human Well-Being: On the Positive Side of Serotonin Transporter Gene.*

Luo, S., Han, X., Han, S. *Fervor or apathy: Physical cold increases ingroup bias in empathy for pain.*

Luo, S., Ma, Y., Li, B., Zhang, W., Rao, Y., Han, S. *Gene \times Culture Interaction of Human Empathy: Effects of Oxytocin Receptor Polymorphism and Interdependence Culture Values*

Ma, Y., Wang, C., Luo, S., Li, B., Zhang, W., Rao, Y., Han, S. *Serotonin transporter mediates 5-HTTLPR effects on human brain activity underlying pain experience*

Ma, Y., Li, B., Wang, C., Luo, S., Zhang, W., Rao, Y., Han, S. *Functional role of serotonin transporter in brain activity underlying fear perception.*

Wang, C., Tian, J., Luo, S., Han, S. *Mortality salience affects neural processing of physical pain.*

MANUSCRIPTS IN PREPARATION

Luo, S., Han, S. Independent cultural and genetic influences on economic decision-making.

Luo, S., Han, S., Zhou, Y., Li, B., Zhang, W., Rao, Y., Han, S. Oxytocin interact with oxytocin receptor gene polymorphism(OXTR) modulates racial in-group bias empathic neural responses..

Luo, S., Zhou, Y., Han, S., Li, B., Zhang, W., Rao, Y., Han, S. Interaction between oxytocin and oxytocin receptor gene (OXTR) on neural responses to intuitive and reflective trust.

Luo, S., Fan, X., Han, X., Han, S. Distinct neural mechanism of reminders of mortality on positive and negative feedback related activity.

Luo, S., Fan, X., Han, S. Depressive mood modulate neural activity during self-reflection in 5-HTTLPR high risk allele carriers.

Luo, S., Liu, H., Fan, X., Qiu, J., Han, S. Self-reflection and major depression disorders: evidence for neural activity detected by using MRI.

CONFERENCE PAPER AND POSTER PRESENTATIONS

Luo, S., Yu, D., Li, B., Zhang, W., Rao, Y., Han, S. (December, 2013). *Neurogenetic mechanisms of Human Well-Being: On the Positive Side of Serotonin Transporter Gene*. Poster presented at the 4th Annual Conference of Society for Social Neuroscience. Canton, China.

Luo, S., Han, X., Han, S. (November, 2013). *Fervor or apathy: Physical cold increases ingroup bias in empathy for pain*. Oral presented at the Second National Psychology Doctoral Forum. Shanghai, China.

Luo, S., Li, B., Ma, Y., Yu, D., Wang, C., Zhang, W., Rao, Y., Han, S. (August, 2013). *Empathy or schadenfreude? Oxytocin receptor gene (OXTR) interact with group membership modulates empathic neural responses*. Invited talks presented at the 8th Chinese Psychologist Conference. Beijing, China.

Krämer, K., **Luo, S.** (December, 2012). *Influence of Ethnic Group-Membership and Gaze Direction on the Perception of Emotions. A Cross-Cultural Study between Germany and China.* Oral presented at the 15th National Psychology Conference. Canton, China.

Luo, S., Han, S. (November, 2012). *Oxytocin receptor gene (OXTR) moderate relationship between psychological resources and life satisfaction.* Poster presented at the Second China International Conference on Positive Psychology. Beijing, China.

Krämer, K., Bente, G., Barisic, I., **Luo, S.**, Han, S, Vogeley, K. (December,, 2012). *Behavioral and Neural Differences in Social Engagement during Cross-Cultural Interactions.* Invited talks presented at the 11th Biannual Conference of the German Cognitive Science Society. Bamberg, German.

Luo, S., Shi, Z., Yang, X., Wang, X., Han, S. (June, 2012). *Reminder of death modulates anterior cingulate responses to the suffering of others.* Poster presented at the 18th Annual Meeting of the Organization for Human Brain Mapping. Beijing, China.

Jiang, C., Hou, Y., Wang, C., **Luo, S.**, Han, S. (June, 2012). *Self-construal priming modulates neural responses to perceived pain in others.* Poster presented at the 18th Annual Meeting of the Organization for Human Brain Mapping. Beijing, China.

Luo, S., Shi, Z., Yang, X., Wang, X., Han, S. (April, 2012). *Reminders of mortality decrease midcingulate activity in response to others' suffering.* Poster presented at the 4th Annual Social and Affective Neuroscience Society (SANS) Conference. New York, American.

OTHER TRAINING

Culture & Social Cognitive Neuroscience Laboratory, Peking University, Beijing. (2008-present)

Symposium "Clinical Application based on Resting State Functional MRI", Hangzhou. (November, 2013)

Based on Functional Magnetic Resonance Imaging (fMRI) Data Brain Functional Connectivity & Functional Networks Analysis Methods Workshop, National Key Laboratory of Cognitive Neuroscience and Learning, Beijing. (June, 2012)

Psychological Consultant training by National Occupational Skill Test Authority. Beijing. (January- May, 2012)

The First Cognitive Science Beijing Symposium(CSBS2011). Beijing. (June, 2011)

The First International Society for Social Neuroscience Symposium. Shanghai. (January, 2011)

Symposium “Understanding Self and Others in Sociocultural Contexts---- Studies of Social Cognitive Neuroscience”. Beijing. (December, 2010)

Culture Psychology Laboratory, Peking University, Beijing. (2007-2008)

REVIEWER

Social Cognitive and Affective Neuroscience

Culture and Brain

Cognition and emotion

TEACHING EXPERIENCE

Peking University, Beijing

Teaching Assistant:

- *Social Cognitive Neuroscience*, September 2012 – January 2013.

Peking University, Beijing

Teaching Assistant:

- *Physiologic Psychology*, September 2011 – January 2012.

AWARDS & HONORS

- Academic Award for Chinese Young Psychologist (2013)
- National Scholarship (2012-2013)
- Academic Innovation Award of Peking University (2012-2013)
- Peking University Merit Student (2011-2012)
- Third Prize for Merit of 17th Peking University May-4th Youth Science Competition (2009)
- Third Prize for Special Award of Merit of 17th Peking University May-4th Youth Science Competition (2009)
- Peking University Merit Student (2008-2009)
- Peking University Freshmen Scholarship (2006)

PROFESSIONAL SKILLS

- **Psychological Consultant** (level 2, qualified by National Occupational Skill Test Authority)
- **Language Skills:** Native speaker of Cantonese. Fluent in Chinese and English.
- **Computer Skills:**
 - Basic: Word, Excel, PowerPoint, Publisher, Photoshop, Lightroom.
 - Programming: Presentation, MATLAB.
 - Data analysis: SPM8 (Functional magnetic resonance imaging data), VBM (Anatomy data), REST (Resting state data), SCAN (Event related potential data).
 - Statistics: SPSS, HLM, LISREL.

PROFESSIONAL SERVICE

- **Mentor:** Undergraduate Research Opportunity Program. Peking University. (2011-2014).
- **Conference Volunteer:** The 18th Annual Meeting of the Organization for Human Brain Mapping. Beijing. (2012).
- **Symposium staff:** Symposium “Understanding Self and Others in Sociocultural Contexts-- Studies of Social Cognitive Neuroscience.” (2010).
- **Conference Volunteer:** The 5th World Congress for Psychotherapy (WCP2008). Beijing. (2008)
- **Volunteer:** Beijing Paralympic Games. Beijing. (2008)

PROFESSIONAL AFFILIATIONS

Social & Affective Neuroscience Society (SANS)
Organization for Human Brain Mapping (OHBM)
Chinese Psychological Society (CPS)